

ABSTRACT

A tidal gate system for a regulating the flow of tidal waters between
a first side and a second side of a main opening. The tidal gate system
5 comprises a primary door member defining a regulated opening, a
secondary door member sized and dimensioned to cover the regulated
opening, a door float, and a regulation float. Gravity biases the primary
and secondary door members into their closed positions. The door float
causes the secondary door assembly to move out of its closed position
10 when a primary water level on the first side of the main opening exceeds a
predetermined regulated opening level. The regulation float is operatively
connected to the secondary door assembly such that the regulation float
forces the secondary door assembly into its closed position when the
primary water level exceeds a predetermined regulation float level.